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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



HE APPLICATION OF:

JING C. CHANG ET. AL.

CASE NO.:

SO0033USNA

APPLICATION NO.:

10/752399

CONFIRMATION NO.:

3588

GROUP ART UNIT:

1732

EXAMINER: PATRICK NEAL BUTLER

FILED: January 06, 2004

FOR: PROCESS FOR PREPARING POLY(TRIMETHYLENE TEREPHTHALATE)

FIBER

SECOND INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

In compliance with 37 C.F.R. §§1.97 and 1.98, Applicants bring to the attention of the U.S. Patent and Trademark Office the information herein and listed on the enclosed PTO/SB/08A and PTO/SB/08B forms. A copy of the information, if required, is also enclosed.

This invention is based upon the unexpected discovery that bulk continuous filament can be formed by a process wherein drawing the filaments is carried out at a speed of greater than 3000 meters per minute using poly(trimethylene terephthalate) having the claimed properties. Applicants hereby call to the U.S. Patent Office's attention that polymers having the claim viscosity, number average molecular weight and melt viscosity have been sold by DuPont, the assignee, more than one year prior to the filing of this patent application. In addition, DuPont offered, and may have sold, such polymers to manufacturers of carpet. Prior to the claimed invention various patents have described that draw speeds greater than 3000 meters per minute and have described poly(trimethylene terephthalate) having broad properties ranges. However, upon review of the examples of those patents applicants found that in making poly(trimethylene terephthalate) bulk continuous filament draw speeds less than 3000 meters per minutes were used. In addition, it was found that many of the patent examples directed to making poly(trimethylene terephthalate) bulk continuous filament describe use of poly(trimethylene terephthalate) with lower viscosities.

Case No.: SO0033USNA

The International Search Report citing four (4) references and Written Opinion of the International Searching Authority are submitted herewith. These references are listed on the enclosed PTO SB 08A forms.

It is understood that International Search Reports and Written Opinions are usually considered by Examiner when submitted, but are not normally cited on the front of a patent and thus the Examiner will not indicate consideration of the same on the forms PTO/SB/08B. Unless otherwise indicated on the record, it will be assumed that the Examiner has considered the Search Report and Written Opinion.

The PTO is authorized to charge the fee set forth in 37 C.F.R. §1.17(p) to Deposit Account No. 04-1928 (E. I. du Pont de Nemours and Company) in order to complete the requirements for consideration of this Information Disclosure Statement.

Respectfully submitted,

Mark D. Kuller

Attorney for Applicants Registration No.: 31,925 Telephone: (302) 892-1354

Mun D. Kulle

Facsimile: (302) 892-7925

Dated: Number 22, 2005



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I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to:

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Serial Number: 10/752,399 Attorney Docket: SO-0033 US NA

Second Information Disclosure Statement

Form PTO/SB/08A Form PTO/SB/08B

Note:

Copies of references cited on 08A form under "Foreign Patent Documents"

Copies of references cited on 08B form

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PTO/SB/08A (07-05)

Approved for use through 07/31/2006, OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 5

	Complete if Known	
Application Number	10/752399	
Filing Date	January 06, 2004	_
First Named Inventor	JING C. CHANG	
Group Art Unit	1732	
Examiner Name	PATRICK NEAL BUTLER	
Attorney Docket Number	SO0033USNA	

				U.S. PAT	ENT DOCUMENTS	
Examiner Initials *	Cite No.1		ocument Number - Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1	US-	5,798,433	08-25-1998	SCHMIDT ET. AL.	
	2	US -	5,840,957	11-24-1998	KURIAN ET. AL.	
	3	US-	5,994,451	11-30-1999	DANGAYACH	
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Initials* No.1	CountryCode ³ Number ⁴ Kind Code ⁵ (if known)	MM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Relevant Figures Appear	Τ ₆		
	1	EP 0949363 A2	10-13-1999	COOKSON FIBERS			
	2	WO 96/00808	01-11-1996	ZIMMER AG			
	3	WO 98/49216	11-05-1998	SHELL INTERNATIONAL RESEARCH			
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Examiner Signature	Date Considered	

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INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

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First Named Inventor JING C. CHANG

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of

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Examiner Initials *	Cite No.1		ocument Number - Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	21	US-	6,403,762 B1	06-11-2002	DUH	
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Filing Date January 06, 2004

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Group Art Unit 1732

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					Application Number	10/752399	
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	STAT	EMENT B	Y Al	PPLICANT	First Named Inventor	JING C. CHANG	
					Group Art Unit	1732	
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	Sheet	4	of	5	Attorney Docket Number	SO0033USNA	フ

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	61	US -	2003/0180533 A1	09-25-2003	KOYANAGI ET. AL.	
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Substitute for form 1449A/PTO Complete if Known Application Number 10/752399 INFORMATION DISCLOSURE Filing Date January 06, 2004 STATEMENT BY APPLICANT First Named Inventor JING C. CHANG ET. AL. 1732 Group Art Unit PATRICK NEAL BUTLER (use as many sheets as necessary) **Examiner Name**

Sheet	5	of 5 Attorney Docket Number SO0033USNA						
		OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS						
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.						
		International Search Report; Date of Mailing: June 21, 2005						
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		Chuah, CORTERRA Poly(trimethylene terephthalate) - New Polymeric Fiber for Carpets, The Textile Institute Tifcon '96, November 6, 1996 in Blackpool/UK						
		Chuah, H.H., H.S. Brown and P.A. Dalton (October, 1995), "CORTERRA Poly(Trimethylene Terephthalate) - A New Performance Carpet Fiber", International Fiber Journal.						
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		Werny, F. and H.H. Chuah (May/June 1996), "CORTERRA PTT, A New Polymer for the Carpet Industry. An Overview of Extrusion, Texturing, Twisting and Heatsetting", Carpet & Rug Industry						
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		Schauhoff, S. (September 1996), "New Developments in the Production of Polytrimethylene Terephthalate (PTT)", Man-Made Fiber Year Book.						
		Werny, F. and H.H. Chuah (August 1996), "Texturing of CORTERRA (BCF Performance in Carpets". International Fiber Journal.						
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Examiner	1	Date						

Signature Considered

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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.